

S01
BERRIES: FROM GENOMICS TO SUSTAINABLE PRODUCTION, QUALITY AND HEALTH
CONVENERS

Bruno Mezzetti, Marche Polytechnic University, Italy
Pedro Brás de Oliveira, National Institute of Biological Resources, Portugal

SCIENTIFIC COMMITTEE

Adam Dale, University of Guelph, Canada
Béatrice Denoyes-Rothan, INRA Bordeaux, France
Bernadine Strik, Oregon State University, Corvallis, USA
Bert Van Duijn, Fytagoras, The Netherlands
Chad Finn, United States Department of Agriculture, Agricultural Research Service, Corvallis, USA
Jill Stanley, Plant & Food Research, New Zealand
José Lopéz Medina, University of Huelva, Spain
José Manuel López Aranda, Centro IFAPA Churriana, Málaga, Spain
Kevin Folta, University of Florida, USA
Margit Laimer, Plant Biotechnology Unit, IAM, BOKU University, Vienna, Austria
Rolf Nestby, Norwegian Institute for Agricultural and Environmental, Norway
Sezai Ercisli, Ataturk University, Erzurum, Turkey
Wilhelmina Kalt, Agriculture and Agri-Food Canada, Canada

11.15 - Oral | Evaluation of Strawberries and Consequences for the Use of Descriptors
Hoefer, M. | S01.003

11.30 - Oral | A Multinational Approach to Conserve the European Genetic Resources of Currants and Gooseberry
Karhu, S.; Antonius, K.; Kaldmäe, H.; Pluta, S.; Rantala, S.; Rumpunen, K.; Ryliskis, D.; Sasnauskas, A.; Schulte, E.; Strautina, S.; Toldam-Andersen, T. B. | S01.004

11.45 - Oral | Screening for Resistance to *Phytophthora* Root Rot in Raspberries, Identifying New Sources of Resistance
Kempler, C.; Muehlchen, A. M.; Forge, T. A. | S01.005

12.00 - Oral | Progress and Challenges in Primocane-Fruiting Blackberry Breeding and Cultural Management
Clark, J. R.; Strik, B. C.; Thompson, E.; Finn, C. E. | S01.006

12.15 - Oral | Marker-Assisted Breeding in Blackcurrant (*Ribes nigrum*): Present and Future Prospects
Brennan, R.; Jorgensen, L.; Hackett, C.; Bayer, M.; Milne, L.; Hedley, P.; Russell, J. | S01.007

SYMPOSIUM SPONSORS

MONDAY, 23 AUGUST
10.30–12.30h
Aud. V
Session 1
INTEGRATION OF GENETIC RESOURCES, BREEDING, GENOMIC AND BIOTECH

Chairperson: Kevin Folta (United States)
Discussion Leader: Chad Finn (United States)
Rapporteur: Béatrice Denoyes (France)

10.30 - Inv. Speaker | Full Genome Sequencing of the Woodland Strawberry, *Fragaria vesca*
Shulaev, V. | S01.001

11.00 - Oral | Structure of the Genetic Diversity in the Octoploid Strawberry: Towards a Core Collection
Horvath, A.; Sanchez-Sevilla, J.; Punelli, F.; Höfer, M.; Barreneche, T.; Denoyes-Rothan, B. | S01.002

13.30–15.00h
Aud. V
Session 2
FLOWERING AND FRUITING ON COMMAND: SCIENCE OR FICTION?

Chairperson: Fumiomi Takeda (United States)
Discussion leader: Anita Sonstebj (Norway)
Rapporteur: David Neri (Italy)

13.30 - Inv. Speaker | Flowering and Fruiting on Command in Berry Crops: Science or Fiction?
Strik, B. C. | S01.008

14.00 - Oral | Are There Common Systems for Flower Bud Initiation in the Genus *Rubus*?
Dale, A.; Oliviera, P. B.; Valdiviesso, T. | S01.009

14.15 - Oral | Contrasting Environmental Flowering Responses in Annual and Biennial Raspberries
Sonstebj, A.; Heide, O. M. | S01.010

14.30 - Oral | Relationship between Plant Architecture and Fruit Production of the Short-Day Cultivar Gariguetta
Bosc, J.; Neri, D.; Massetani, F.; Bardet, A. | S01.011

14.45 - Oral | Morphological and Physiological Changes in Blueberries (*Vaccinium corymbosum* cv. Brigitta) Induced by the Modification of its Light Environment
Cobo, N. G.; Lobos, G. A.; Retamales, J. B.; Del Pozo, A. H. | S01.012

16.30–18.00h

Aud. V

Session 3

E-POSTERS SESSION ON BERRY GENETICS AND PHYSIOLOGY

Chairperson: *Kevin Folta (United States) / Fumiomi Takeda (United States)*

Discussion leader: *Chad Finn (United States) / Anita Sonsteby (Norway)*

Rapporteur: *Beatrice Denoyes (France) / David Neri (Italy)*

16.30 - SP | International Cooperation in Red Raspberry Breeding

Jennings, D.; Daubeny, H. | S01.013

SP | Can the Strawberry (*Fragaria ×ananassa*) Fanpr1 Gene Be Used to Increase Resistance to Pathogens Using a “Cisgenic” Approach?

Amil Ruiz, F.; De Los Santos, B.; Mercado, J. A.; Romero, F.; Pliego Alfaro, F.; Muñoz Blanco, J.; Caballero, J. L. | S01.014

SP | The Near Isogenic Lines Collection in *Fragaria vesca* var. Reine des Vallées: A Tool for the Study of Agronomic Interesting Traits in Strawberry Crops

Bonet, J.; Arús, P.; Monfort, A. | S01.015

SP | Applications of Strawberry (*Fragaria* spp.) Transcriptome Analysis

Folta, K. M.; Chamala, S.; Clancy, M. A.; Barbazuk, W. B.; Dhingra, A.; Brunings, A.; Davis, T. M. | S01.016

SP | Molecular Tools for the Quality Analyses of *Vaccinium* Berries

Jaakola, L.; Suokas, M.; Häggman, H. | S01.017

SP | Assessment of Selected Blackcurrant (*Ribes nigrum* L.) Cultivars for a Suitability of Fruits for Fresh Consumption

Pluta, S.; Zurawicz, E. | S01.018

SP | Molecular Control of Flowering in Strawberry, a Perennial Short-Day Plant

Hytönen, T.; Mouhu, K.; Rantanen, M.; Koskela, E.; Palonen, P.; Elomaa, P. | S01.019

SP | New Methods for Regulating Flowering Time in Short-Day Strawberry

Takeda, F. | S01.020

SP | Flower Differentiation and Plant Architecture of Raspberry, Blackberry and Currant

Neri, D.; Massetani, F.; Zucchi, P.; Giacomelli, M.; Savini, G. | S01.021

SP | Production of ‘Polka’ Primocane Raspberry in Winter by Delaying Planting Time

Zilkah, S.; Hazan, A. A.; Rotbaum, A.; Faingersh, E.; David, I.; Samach, A. | S01.022

SP | Cyclic Lighting in Strawberry Greenhouse Cultivation: Sustainable Alternatives for the Incandescent Lamps

Van Delm, T.; Melis, P.; Stoffels, K.; Baets, W. | S01.023

SP | Effect of Chilling and Two PGRs on Seed Dormancy of Qare-Qat Berry (*Vaccinium arctostaphylos* L.)

Sedaghatthoor, S. | S01.024

SP | Using Mowing in Combination with High Tunnels to Delay Harvest of Primocane-Fruiting Blackberries

Vincent, C. I.; Garcia, M. E.; Rom, C. R. | S01.025

TUESDAY, 24 AUGUST

10.30–12.30h

Aud. V

Session 4

CAN BERRY PRODUCTION CONTRIBUTE TO SUSTAINABLE AGRICULTURE?

Chairperson: *Edward Zurawicz (Poland)*

Discussion Leader: *David Simpson (United Kingdom)*

Rapporteur: *Sezai Erzli (Turkey)*

10.30 – Inv. Speaker | Berry: An Example of the Transition from Fordistic to Post-Fordistic Food Production

Van der Schans, J. W.; Bloemhof, J. | S01.026

11.00 - Oral | Marketing Strategies for Cranberries Based on Consumer Perceptions

Zimmermann, K. L.; Berg van den, I. | S01.027

11.15 - Oral | Directions in Berry Production and Distribution on the Market

Korbin, M. U.; Mezzetti, B. | S01.028

11.30 - Oral | Berry Production Contribute to Rural Development and Socio-Economical Point of View: A Good Sample, Gumushane Region and Mulberry Production

Ercisli, S.; Turan, M.; Sengul, M.; Yildiz, H. | S01.029

11.45 - Oral | Research and Utilization of Blackberry in China

Li, W.; Wu, W.; Lu, L. | S01.030

WEDNESDAY, 25 AUGUST

10.30–12.30h

Aud. V

Session 5

BERRIES AND HUMAN HEALTH: OPPORTUNITIES AND CHALLENGES IN RESEARCH AND PRODUCT DEVELOPMENT

Chairperson: *Wilhelmína Kalt (Canada)*

Discussion Leader: *Ricardo Ferreira (Portugal)*

Rapporteur: *Margit Laimer (Austria)*

10.30 – Inv. Speaker | Berries and Human Health: Opportunities and Challenges

Hurst, R. | S01.031

10.45 – Oral | Berry Polyphenolics and Human Health: Antioxidants and More

Kalt, W. | S01.032

11.00 - Oral | Soft Fruit as Cancer Chemopreventative Agents: Mechanisms, Efficacy and Translation through to Enhanced Fruit

Stewart, D. | S01.033

11.15 - Oral | Strawberry Nutritional Quality (NQ) & Human Health Impact

Battino, M.; Tulipani, S.; Romandini, S.; Giampieri, F.; Alvarez-Suarez, J. M.; Capocasa, F.; Diamanti, J.; Mezzetti, B. | S01.034

11.30 - Oral | Quenching the “Fires” of Brain Aging Via Berry Supplementation

Joseph, J.; Shukitt-Hale, B.; Fisher, D. | S01.035

11.45 - Oral | Allergomics of Berry Fruits

Marzban, G.; Maghuly, F.; Hemmer, W.; Nestby, R.; Laimer, M. | S01.036

12.00 - Oral | Pre and Post-Harvest Fruit Quality as Affected By Cultural Practices and Polyphenols

Khanizadeh, S.; Charles, M.; Yu, C.; Tao, S.; Fan, L. | S01.037

12.15 - Oral | Antioxidant Capacity in Fruits and Leaves of Highbush Blueberry (*Vaccinium corymbosum* L.) Genotypes Grown in Southern Chilean Andisols

Ribera, A. E.; Reyes-Díaz, M.; Alberdi, M.; Verdugo, M.; Mora, M. L. | S01.038

13.30–15.00h

Aud. V

Session 6 MANAGING PEST AND DISEASES FOR BERRY AND CONSUMER SAFETY

Chairperson: Paivi Parikka (Finland)

Discussion Leader: Gijs van Kruistum (Netherlands)

Rapporteur: Catherine Baroffio (Switzerland)

13.30 – Inv. Speaker | Managing Farming Systems, Landscapes, Pests and Pathogens to Improve Consumer Perception of Berries

Pritts, M. P. | S01.039

14.00 - Oral | Management of Monilinia Blight in Wild Blueberries (*Vaccinium angustifolium* Ait.): Present Concerns and Future Options

Percival, D. C.; Beaton, E. | S01.040

14.15 - Oral | Raspberry Latent Virus, a New Reovirus Isolated From Crumbly Fruited Red Raspberry Plants

Quito, D.; Martin, R. R. | S01.041

14.30 - Oral | Controlled Atmosphere Temperature Treatment as Sustainable Alternative to Control Strawberry Tarsonemid Mites and Plant Parasitic Nematodes in Strawberry Plants

Van Kruistum, G.; Hoek, H.; Verschoor, J.; Molendijk, L. | S01.042

14.45 - Oral | Involvement of the NADPH Oxidase Complex in Pathogenicity of *Colletotrichum acutatum* on Strawberry

Gershon, T.; Yarden, O.; Freeman, S. | S01.043

16.30–18.00h

Aud. V

Session 7 E-POSTERS SESSION ON BERRY BIOACTIVE COMPOUNDS & PEST AND DISEASES MANAGEMENT

Chairperson: Wilhelmina Kalt (Canada) / Paivi Parikka (Finland)

Discussion Leader: Ricardo Ferreira (Portugal) / Gijs van Kruistum (Netherlands)

Rapporteur: Margit Laimer (Austria) / Catherine Baroffio (Switzerland)

16.30 - SP | The Presence, Population Structure, and Potential Effects of Endophytic Bacteria in the American Cranberry (*Vaccinium macrocarpon* Ait.)

Mason, C. J.; Zeldin, E. L.; Adams, S. M.; Currie, C. R.; Raffa, K. F.; Mccown, B. H. | S01.044

SP | Epidemiological Study of *Colletotrichum* and *Xanthomonas fragariae* in Strawberry Production in Support of Disease Management

Debode, J.; Van Hemelrijck, W.; Vandroemme, J.; Verjans, W.; Melis, P.; Clemens, S.; de Vos, P.; Heungens, K.; Creemers, P.; Deckers, T.; Maes, M. | S01.045

SP | Chitosan and Acibenzolar-S-Methyl in the Control of *Botrytis cinerea*

Moret, A.; Muñoz, Z. | S01.046

SP | Effectiveness of Biofungicides in the Control of Grey Mould in Raspberry in Serbia

Tanovic, B.; Hrustic, J.; Ivanovic, M.; Delibasic, G. | S01.047

SP | Current Situation on Soil Disinfection for Strawberry Nursery in Spain

García Sinovas, D.; Andrade, M. A.; de Cal, A.; Salto, T.; Redondo, C.; Becerril, M.; Martínez-Treceño, A.; Medina, J. J.; Soria, J. J.; López Aranda, J. M. | S01.048

SP | Multiclass Classification Study of Raspberry Cultivars Based on Innovative Data Mining Techniques (PDA, RF, dPLS) and Volatile Organic Compounds Analyses (GC/MS and PTR-MS)

Biasioli, F.; Aprea, E.; Granitto, P. M.; Carlin, S.; Gasperi, F. | S01.049

SP | Analysis for Components and Contents of Sugars and Organic Acids in Blueberry Fruits

Zhang, C. Y.; Zhang, Z. D.; Wang, J. Y. | S01.050

SP | Metabolomics as a Route to Fruit Flavour and Functionality: Blackcurrant as a Model Study

Abreu, I. N.; Kanichukattu, E. N.; Sungurtas, J.; Verrall, S. R.; Stewart, D. | S01.051

SP | The Application of Biosensors for Rapid Screening of Taste- and Health-Related Compounds in Berries

Giné Bordonaba, J.; Terry, T. A. | S01.052

SP | Instrumental Based Flavor Analysis of Strawberry Cultivars: Focus on Aroma Development during Ripening

Vandendriessche, T.; Vermeir, S.; Mayayo Martinez, C.; Hendrickx, Y.; Lammertyn, J.; Hertog, M. L. A. T. M.; Nicolai, B. M. | S01.053

SP | Profiling and Accurate Quantification of Rubus Ellagitannins and Ellagic Acid Conjugates By UPLC-Q-TOF and By HPLC-DAD

Vrhovsek, U.; Gasperotti, M.; Masuero, D.; Guella, G.; Mattivi, F. | S01.054

SP | Antioxidant Activity of Polyphenol Rich Fruits on Human Erythrocytes

Widen, C.; Rumpunen, K. | S01.055

SP | Soil Biosolarization for Strawberry Cultivation

López-Aranda, J. M.; Miranda, L.; Domínguez, P.; Soria, C.; Pérez-Jiménez, R. M.; Zea, T.; Talavera, M.; Velasco, L.; Romero, F.; de Los Santos, B.; Medina-Mínguez, J. | S01.056

THURSDAY, 26 AUGUST

10.30–12.30h

Aud. V

Session 8

GENOTYPE, ENVIRONMENT AND CULTIVATION SYSTEMS: WHAT WILL BERRY PRODUCTION BE LIKE IN THE FUTURE?

Chairperson: Adam Dale (Canada)

Discussion Leader: Rolf Nesby (Norway)

Rapporteur: Erica Kruger (Germany)

10.30 - Inv. Speaker | Genotype, Environment and Cultivation Systems: What Will Berry Production Be Like in the Future?

Carlen, C. | S01.057

11.00 - Oral | Fertigation Trial in Four Blueberries Varieties in Northern Argentina

Pannunzio, A.; Teixeira Soria, P.; Borello, L.; Gimenez, N.; Suarez Lobo, E. | S01.058

11.15 - Oral | Utilizing a Double Cropping System for Organic Primocane-Fruiting Blackberries and Raspberries in High Tunnels for Season Extension

Rom, C.; Friedrich, H.; Garcia, M. E.; Johnson, D. T.; Poppe, J. S.; Booker, B. | S01.059

11.30 - Oral | Growing Strawberries in Raise-Bed Troughs Filled With Substrate Media

Wang, D.; Sjulín T.; Legard D. | S01.060

11.45 - Oral | A Comparison of Strawberry Growth and Yield Performance Affected by Different Latitudes of Europe

Krüger, E.; Nestby, R.; Toldam-Anderson, T. B.; Carlen, C.; Crespo, P.; Mezzetti, B.; Duralija, B. | S01.061

12.00 - Oral | Microclimatic Modifications by Rain Shelters and Reflective Groundcovers Alter the Trophic Web in an Organic Raspberry Production System

Privé, J. P.; Comeau, C.; Moreau, G.; Russell, L.; LeBlanc, A. | S01.062

12.15 - Oral | Response of Cold Stored Drip-Irrigated Strawberry to Root Trimming and Transplant Crown Diameter

Ragab, M. E.; Abo-ElYazid, A.; Al-Sherif, M.; Hassanin, N.; Mohamed, H. | S01.063

13.30–15.00h

Aud. V

Session 9

DEFINING NEEDS OF THE BERRY INDUSTRY

Chairperson: José Lopez-Aranda (Spain)

Discussion Leader: Alessio Martinelli (Italy)

Rapporteur: Jeroen Kellers (Belgium)

13.30 - Inv. Speaker | Defining Needs of the Berry Industry: Challenges and Solutions for the California Strawberry Industry

Legard, D. | S01.064

14.00 - Oral | The Andalusian Network of Agrarian Experiments (RAEA). The Case of Strawberry. An Overview

Medina-Mínguez, J. J.; López-Aranda, J. M.; Miranda, L.; Domínguez, P.; Soria, C. | S01.065

14.15 - Oral | Embrapa's Blackberry Breeding Program

Raseira, M. C. B.; Zanandrea, I.; Antunes, L. E. C. | S01.066

14.30 - Oral | An Integrated Approach to the Berry Value Chain: The Driscoll's Business Model

Simões, N. | S01.067

14.45 - Oral | The 'FIRST FRUIT', Product of Serbia - An Example of Using Scientific Proves in Creating a Retail Brand Name in Frozen Fruit Business

Sredojevic, S. | S01.068

SP | C.I.V. Consorzio Italiano Vivaisti: Research Activities on Strawberry
Martinelli, A. | S01.069

16.30–18.00h

Aud. V

Session 10
E-POSTERS SESSION ON BERRY CULTIVATION AND INDUSTRY

Chairperson: *Adam Dale (Canada) / José Lopez-Aranda (Spain)*

Discussion Leader: *Rolf Nesby (Norway) / Alessio Martinelli (Italy)*

Rapporteur: *Erica Kruger (Germany) / Jeroen Kellers (Belgium)*

16.30 - SP | The Raspberry Supply Chain and Issues Pertaining to Raspberry Production Areas in Japan
Miyairi, T.; Imanishi, H. | S01.070

SP | Using of Strawberry as a Tool to Develop Community Where People Can Live Harmoniously with the Forest in Northeast Area of Thailand
Tongtraibhop, P.; Thongthieng, T. | S01.071

SP | Marketing Strategy Study on Fresh Blueberries in China
Wu, L.; Li, Y.; Li, Y.; Zhang Z.; Liu H. | S01.072

SP | Effects of Varieties and Substrates on Soilless Strawberry Production in Cyprus
Neocleous, D.; Vasilakakis, M. | S01.073

SP | Mathematical Models, Tables and Nomograms to Settle the Technically Optimal Rates (TOR) of N, P₂O₅ and K₂O in Strawberry and Raspberry
Budoï, G. | S01.074

SP | The Influence of Different Plastic Tunnels on Crown Characteristics and Cropping Potential in Some Strawberry Cultivars
Yilmaz, H.; Gecer, K. M.; Yildiz, K. | S01.075

SP | Preharvest Manipulation of Strawberry Fruit Quality: Unravelling the Impacts of Deficit Irrigation and Related Strategies
Giné Bordonaba, J.; Terry, L. A. | S01.076

SP | Strawberry Plant Growth and Dry Matter Partitioning as Influenced By Planting Date and Plant Type in an Autumn Production System
Palha, M. G.; Campo, J. L.; Oliveira, P. B. | S01.077

SP | Effect on Plant Development and Fruit Quality of European Blueberry (*Vaccinium myrtillus*) Genotypes and Growing Conditions in Norway
Nestby, R.; Martinussen, I.; Rohloff, J.; Nes, A. | S01.078

SP | Fertigation Strategies for Blueberry Production
Gurovich, L. A. | S01.079

SP | NEW FRUITS Strawberry Breeding Activity
Bernardini, D.; Marchetti, E.; Tanesini, M. | S01.080

SP | ClimaFruit: Future-Proofing Berry Fruit
Williams, M.; Pedersen, H. L.; Svensson, B.; Rumpunen, K.; Nestby, R.; Nes, A.; Wold, A.; Stewart, D.; Brennan, R.; Karsten, K.; Faby, R. | S01.081

SP | Sant'Orsola Berry Production and Raspberry Breeding
Giacomelli, M.; Viliotti, A.; Fontanari, S.; Sorin, R.; Valentini, G.; Savini, G. | S01.082

SP | Studies on the Winter Injury of Blueberry
Wu, L.; Ma, L.; Ren, D.; Li, Y.; Zhang, Z.; Liu, H. | S01.083

MONDAY, 23 AUGUST

15.30–16.30h

Pav. 1

Poster Session 1
BERRY GENETIC AND PHYSIOLOGY

Poster | Genetic Analysis of Fruit Nutritional Quality Characters in F2 Population of Cultivated Strawberry
Villatoro, C.; Arús, P.; Monfort, A. | S01.200

Poster | Distribution and Evaluation of Raspberry (*Rubus ellipticus* Smith.) Genotypes Growing Wild in North-Western Himalayas for Berry Quality Traits
Singh, D.; Kumar, K.; Sharma, V. K. | S01.201

Poster | Breeding of Strawberry in Russia
Marchenko, L. | S01.202

Poster | Characteristics of Lingonberry Plants Propagated by *in vitro* and *ex vitro* Propagation Methods
Debnath, S. C.; Vyas, P.; Igamberdiev, A. U.; White, J. | S01.203

Poster | Increased Efficiency in Genotyping and Mapping in Octoploid Strawberry through Quantitative Interpretation of SSR Data.
Van Dijk, T.; Noordijk, Y.; Dubos, T.; Esselink, D.; Den Nijs, T.; Meulenbroek, B.; Van de Weg, E. | S01.204

Poster | Aneuploid Strawberry ($2n = 8x+2 = 58$) Was Developed From Homozygous Unreduced Gamete (8x) Produced by Second Division Restitution in Pollen
Yanagi, T.; Hummer, K. E.; Sone, K.; Nathewet, P. | S01.205

Poster | Comparison with Fragrance Components of 3 Newly-Releasedly Strawberry Cultivars and their Parents
Zhang, Y.; Wang, G.; Dong, J.; Zhong, C.; Chang, L.; Wang, L. | S01.206

Poster | Two New Strawberry Cultivars Adapted for Programmed Cropping Systems: 'Elegance' and 'Sasha'

- Simpson, D. W.; Whitehouse, A. B.; Johnson, A. W.; McLeary, K. J.; Passey, A. J.* | S01.207
- Poster** | Biological and Pomological Peculiarities of Some Raspberry Varieties
Hovhannisyán, H. | S01.208
- Poster** | Characterization of a Family of WRKY Transcription Factors in Strawberry (*Fragaria ×ananassa*)
Ruíz Ramos, A.; Amíl Ruíz, F.; Maldonado, A.; Garrido Gala, J.; de Los Santos, B.; Mercado, J. A.; Romero, F.; Pliego-Alfaro, F.; Muñoz-Blanco, J.; Caballero, J. L. | S01.209
- Poster** | Expression of uid and nptII Genes in Progenies of *Fragaria* Species
Gargaro, A.; Monticelli, S.; Damiano, C.; Palombi, A. M. | S01.210
- Poster** | Updates on CIV Strawberry Breeding Programme
Martinelli, A.; Leis, M. | S01.211
- Poster** | European Network for Blackcurrant Cultivar Evaluation
Sasnauskas, A.; Rugienius, R.; Bobinas, C.; Strautina, S.; Kaldmäe, H.; Nes, A.; Pedersen, H. L.; Coman, M.; Mladin, P. I.; Denes, F. | S01.212
- Poster** | Study of Resistance to Powdery Mildew (*Podosphaera aphanis*) in the Cultivated Strawberry (*Fragaria ×ananassa*): Screening of Genetic Resources
Petit, A.; Courtial, A.; Assézat, F.; Chartier, P.; Bonnet, A.; Pedeprat, N.; Gauthier, C.; Pommier, J. J.; Denoyes-Rothan, B. | S01.213
- Poster** | 'Fuentepina' a New Strawberry Cultivar from the Spanish Public Breeding Programme
Soria, C.; Medina-Mínguez, J. J.; Miranda, L.; Domínguez, P.; Ariza, M. T.; Refoyo, A.; López-Aranda, J. M. | S01.214
- Poster** | Genetic Improvement of Strawberry Fruit Quality with the Rosbreed Approach
Finn, C. E.; Bassil, N.; Hancock, J.; Davis, T.; Denoyes-Rothan, B.; Rees, J.; Sargent, D.; Stewart, P.; Luby, J.; Peace, C.; Sebolt, A.; Weebade, C.; Van de Weg, E.; Iezzoni, A. | S01.215
- Poster** | Towards Positional Cloning of the Major Flowering Gene in *Fragaria vesca*
Koshela, E. A.; Mouhu, K.; Elomaa, P.; Sargent, D. J.; Hytönen, T. | S01.216
- Poster** | European Network for Strawberry Varietal Evaluation
Baruzzi, G.; Ancay, A.; Chartier, P.; Kaldmäe, H.; Koron, D.; Martinelli, A.; Masny, A.; Mezzetti, B.; Sasnauskas, A.; Serce, S.; Medina, J. J.; Strautina, S.; Faedi, W. | S01.217
- Poster** | Identification of Heat Tolerant Genotypes in a Segregating Population of Red Raspberry Using Chlorophyll Fluorescence
Fernandez, G. E.; Sosinski, B. R.; Ballington, J. R.; Molina-Bravo, R. | S01.218
- Poster** | Primary Study of Inheritance of Volatile Compounds in Hybrid Strawberry Progeny from Parents 'Camarosa' and 'Benihoppe'
Wang, G.; Zhang, Y.; Dong, J.; Zhong, C.; Chang, L.; Wang, L. | S01.219
- Poster** | Breeding of High Quality Cloudberry (*Rubus chamaemorus* L.)
Martinussen, I.; Uleberg, E.; Roethe, G.; Junttila, O. | S01.220
- Poster** | Identification and Characterization of Flavonoid Biosynthesis Related Transcription Factors in Strawberry
Schaart, J.; Dubos, C.; Bovy, A. | S01.221
- Poster** | Investigating Genetic Diversity, Nutritional Quality of Berry Germplasm Collections Grown in Russia
Hausman, J. F.; Lefèvre, I.; Lamoureux, D.; Gavrilenko, T.; Alexanian, S.; Lucien, H.; Eyzaguirre, P. | S01.222
- Poster** | Variation and Heritability Estimates for Fruit Quality Traits and Phytochemical Composition in Blueberry Seedlings from a Factorial Cross
Scalzo, J.; Sguigna, V.; Stanley, J.; Mezzetti, B. | S01.223
- Poster** | Down-Regulation of the Expansin Gene FaExp2 Does Not Modify Strawberry Fruit Softening
García-Gago Antonio, J.; López-Aranda, J. M.; Muñoz-Blanco, J.; Pliego-Alfaro, F.; Quesada, M. A.; Mercado, J. A. | S01.224
- Poster** | Gooseberry (*Ribes grossularia* L.) Genetic Resources in Latvia
Kampuss, K.; Strautina, S.; Kampuse, S. | S01.225
- Poster** | Characterization of Flowering Related Genes in Woodland Strawberry (*Fragaria vesca*)
Mouhu, K.; Rantanen, M.; Hytönen, T.; Elomaa, P. | S01.226
- Poster** | Isolation of DNA-Methyltransferase Genes and their Promoter Sequences from Strawberry (*Fragaria ×ananassa* Duch.)
Chang, L.; Chang, L.; Zhang, Z.; Li, H.; Yang, Y.; Dai, H.; Zhang, Y. | S01.227
- Poster** | Molecular Markers Transferability from *Fragaria* and *Malus* to *Rubus* and their Use in SNPs Detection and Genotyping
Palmieri, L.; Bozza, E.; Giongo, L. | S01.228
- Poster** | Effect of a Strawberry Defense Protein on Nematode Pests
Gambardella, M.; Rios, R.; Aballay, E.; Diaz, I. | S01.229
- Poster** | A New Raspberry Breeding Program in Chile
Gambardella, M.; Bañados, P.; San Martín, J. | S01.230
- Poster** | Evaluation of Clonal Variation and Active Gene Conservation in Wild Danish Blueberry (*Vaccinium myrtillus* L.)

- Jensen, M.; Kristiansen, K. | S01.231
Poster | Detection of Sequence Polymorphism in *Rubus occidentalis* L. Monomorphic Microsatellite Markers by High Resolution Melting
Dossett, M.; Bassil, N.; Finn, C. | S01.232
- Poster** | Berries Germplasm Collections in Europe
Coman, M.; Mladin, P.; Sasnauskas, A. | S01.233
- Poster** | Yield Components and Fruit Quality of Promising Yellow Fruit Raspberry Seedlings
Fotiric Aksic, M.; Nikolic, M.; Radovic, A.; Milivojevic, J.; Nikolic, D. | S01.234
- Poster** | Recent Progress in Berries Breeding in Romania
Mladin, P.; Mladin, G.; Coman, M. | S01.235
- Poster** | Blueberry Breeding for Future Conditions in Chile
Caligari, P. D. S.; Retamales, J. B.; Lobos, G. A.; Zambrano, R. | S01.236
- Poster** | Results of the Common International Breeding Program for Blackcurrant
Strautina, S.; Sasnauskas, A.; Trajkovski, V.; Tikhonova, O.; Krasnova, I.; Kalnina, I. | S01.237
- Poster** | Fingerprinting in Raspberry by SSRs Analysis and Variety Characterisation
Venturi, S.; Galassi, E.; Dondini, L.; Tartarini, S.; Costa, G. | S01.238
- Poster** | 'Jeanne d'Orléans' Red Raspberry
Khanizadeh, S.; Deschênes, M.; Dubé, C.; Tsao, R.; Gosselin, A.; Gauthier, L.; Desjardins, Y. | S01.239
- Poster** | Cytogenetic and Pollination Studies in Seedless Barberry (*Berberidaceae*) and its Relative Species in Eastern Iran
Heidari, S.; Marashi, H.; Mollafilabi, A.; Balandari, A.; Azizi, M. | S01.240
- Poster** | Productive Value of Gooseberry (*Ribes grossularia* L.) Cultivars of Different Origin Evaluated in Central Poland
Pluta, S.; Broniarek-niemiec, A.; Zurawicz, E. | S01.241
- Poster** | Interspecific Hybridization of *Fragaria ananassa* with *Fragaria hayatae* Makino
Lee, T. H.; Hsu, C.; Lin, S. Y.; Lee, C. L.; Chen, I. Z. | S01.242
- Poster** | 'Ningzhi 1', a Hybridberry from 'Boysenberry' Mutation with Few Cane Prickles
Wu, W.; Lv, L.; Zhao, H.; Zhang, C.; Li, W. | S01.243
- Poster** | Identification of QTLs for Agronomical and Fruit Quality Traits in Strawberry (*Fragaria ×ananassa*)
Zorrilla-Fontanesi, Y.; Cabeza, A.; Dominguez, P.; Medina, J. J.; Valpuesta, V.; Denoyes-Rothan, B.; Sánchez-Sevilla, F. J.; Amaya, I. | S01.244
- Poster** | Exploitation of Wild *Lonicera caerulea* in Japan: Ploidy Distribution and DNA Content Variations
Hoshino, Y.; Miyashita, T. | S01.245
- Poster** | Effects of Polyamines on Vegetative Characteristics, Growth, Flowering and Yield of Strawberry (cv. Paros and Selva)
Movahed, N. | S01.246
- Poster** | Fruit Growth, Quality and Postharvest Life of *Vaccinium corymbosum* cv. Brigitta under Shading Nets
Araya, C. M.; Del Pozo, A. H.; Lobos, G. A.; Retamales, J. B. | S01.247
- Poster** | Narrow Band Reflectance Measurements Can Be Used to Estimate Leaf Area Index, Flower Number, Fruit Set and Berry Yield of the Wild Blueberry (*Vaccinium angustifolium* Ait.)
Percival, D. C.; Sharpe, S.; Zaman, Q. | S01.248
- Poster** | Ameliorating Fruit Set and Fruit Characteristics of Strawberry (cv. Paros and Selva), by Polyamines Treatment
Movahed, N. | S01.249
- Poster** | Continuous Monitoring of Ethylene Emission from Berries in Planta
Cristescu, S.; Harren, F.; Iannetta, P. | S01.250
- Poster** | Double Cropping of Loch Ness Blackberries in Belgian Horticulture
Odeurs, W.; Kellers, J.; Clemens, S. | S01.251
- Poster** | Accumulated Leaf Number in Strawberry Cultivars Grown in Greenhouse
Mendonca, H. F. C.; Tazzo, I. F.; Calvete, E. O.; Müller, A. L. | S01.252
- Poster** | Manipulation of Cropping Time by Controlling Timing of Primocane Elongation in Primocane-Fruiting Red Raspberry 'Heritage' in Japan
Imanishi, H.; Miyairi, T.; Torii, M. | S01.253
- Poster** | Effects of Air Temperature on the Photosynthesis, Transpiration and Fruits Production of Everbearing Strawberry in Controlled Environment
Takasuna, H.; Kudo, T.; Gondo, T.; Kato, M.; Takemasa, Y.; Tabayashi, N.; Aoki, T.; Matsumura, T.; Hikosaka, S.; Goto, E. | S01.254
- Poster** | Starch Distribution in Raspberry Plants
Skrzynski, J.; Gonkiewicz, A.; Danek, J. | S01.255
- Poster** | The Effect of Day Light Reduction on the Differentiation of Strawberry Flower Buds in Field Conditions
Krol, K.; Lech, W. | S01.256
- Poster** | Molecular Characterization of Flower Initiation and Development in *Fragaria* and *Rubus*
Maene, M.; Palmieri, L.; Martinatti, P.; Giongo, L. | S01.257

- Poster** | Light Quality Affects Runner Formation and Flower Induction in Strawberry (*Fragaria vesca*)
Rantanen, M.; Hytönen, T.; Elomaa, P.; Mouhu, K.; Palonen, P. | S01.258
- Poster** | Flower Bud Cold Hardiness in Blueberry: Acclimation and Deacclimation in a Diverse Set of Cultivars and Genotypes
Ehlenfeldt, M. K.; Rowland, L. J.; Ogden, E. L.; Vinyard, B. T. | S01.259
- Poster** | Far Red Light Absorbing Film Influenced Raspberry Growth and Cropping
Palonen, P.; Savelainen, H.; Rantanen, M.; Karhu, S. | S01.260
- Poster** | Effects of Light Interruption and Temperature on Floral Bud Formation of *Fragaria ×ananassa* Duch. cv. Taoyuan No. 3
Lee, P. H.; Roan, S. F.; Huang, T. B.; Chen, I. Z. | S01.261
- Poster** | Day Length and Prohexadione-Calcium Affect the Development of Everbearing Strawberries
Karhu, S.; Hytönen, T.; Tujula, A. | S01.262
- Poster** | Strawberry Architecture and Yield Potential in a Short-Day Cultivar
Valdiviesso, T.; Esteves, A.; Oliveira, P. B. | S01.263
- Poster** | Study on Photosynthetic Characteristics of Blueberry in Greenhouse
Li, Y.; Li, X.; Chen, W. | S01.264
- Poster** | Effect of Early Pruning on Floricane in 'Meiguo 22', 'Shengli' and 'Veten'
Dai, H.; Guo, X.; Song, G. | S01.265
- Poster** | Strawberry Breeding: Getting Insights in the Inheritance of Strawberry Aroma
Vandendriessche, T.; Geerts, P.; Membrebe, B. N.; Hertog, M. L. A. T. M.; Nicolai, B. M. | S01.266
- Poster** | Quality, Nutritional Quality and Nutraceutical Value as a New Task for Strawberry Breeding
Diamanti, J.; Capocasa, F.; Giampieri, F.; Battino, M.; Mezzetti, B. | S01.267
- Poster** | European Small Berries Genetic Resources, GENBERRY: Identifying New Sources of Fruit Nutritional Quality and Nutraceutical Value in Strawberry
Sguigna, V.; Diamanti, J.; Mezzetti, B.; Battino, M.; Maltoni, M. L.; Faedi, W.; Petit, A.; Denoyes-Rothan, B. | S01.268
- Poster** | Chlorophyll Content in Strawberry Leaves Produced Under Shading Screens in Protected Ambient
Da Costa, R. C.; Calvete, E. O.; Reginatto, F. H.; Schons, J. | S01.269
- Poster** | Variation in Fruit Quality in a Genebank Collection of Gooseberries
Toldam-Andersen, T. B. | S01.270
- Poster** | Propagation Methods and Seasons on Strawberry Runners Production and Fruits Quality
Kuo, H.; Lee, C.; Roan, S. F.; Chen, I. | S01.271
- Poster** | Biochemical Characterization of Proteins Responsible for the Production of the Odorous Antimicrobial Compound Eugenol in Strawberry (*Fragaria ×ananassa*)
Aragüez, I.; Hoffmann, T.; Medina-Escobar, N.; Botella, M. A.; Schwab, W.; Valpuesta, V. | S01.272
- Poster** | Eco-Physiological and Horticultural Characteristics of Two Korean Wild Vacciniums
Cho, H. S.; Cho, J. A.; Cho, Y. S. | S01.273
- Poster** | Generative and Fruit Quality Characteristics of Primocane Fruiting Red Raspberry Cultivars
Milivojevic, J.; Nikolic, M.; Dragisic Maksimovic, J.; Radivojevic, D. | S01.274
- Poster** | Evaluation of Strawberry Cultivars in the South of Minas Gerais, Brazil
Pádua, J. G.; Gonçalves, E. D.; Dias, M. S. C.; Vieira Neto, J.; Villa, F.; Cruz, M. C. M.; Silva, D. F.; Filho, J. D.; Silva, L. F. O. | S01.275
- Poster** | Evaluation of Fruit Quality and Yield Structure of Nine Strawberry Dessert Cultivars in Field Conditions
Bieniasz, M.; Malodobry, M.; Dziejczak, E. | S01.276
- Poster** | Yield and Quality Characteristics of Some Strawberry Cultivars in Adana-Turkey
Paydas Kargi, S.; Kafkas, E. | S01.277
- Poster** | Performance of 11 Blackberry Cultivars in Nanjing of China
Wu, W.; Zhang, C.; Lv, L.; Zhao, H.; Wang, X.; Fang, L.; Li, W. | S01.278
- Poster** | Phenotypical Characterization of Families from Crosses of *Fragaria chiloensis*
Muñoz, K. A.; Lobos, G. A.; Caligari, P. D. S.; Retamales, J. B.; Del Pozo, A. H.; Carrasco, B. | S01.279
- Poster** | Karyotype Analysis of Wild Strawberry Species
Nathewet, P.; Hummer, K. E.; Iwatsubo, Y.; Sone, K.; Yanagi, T. | S01.280
- Poster** | Molecular Cloning and Activity Analysis of VviCOR11 Gene Promoter Form Cowberry (*Vaccinium vitis-idaea* L.)
Wang, Q.; Tao, J.; Qu, S.; Gao, Z.; Zhang Z. | S01.281
- Poster** | Effect of Different Transplanting Dates and Runner Types on Quality and Yield of Strawberry cv. Elsanta
Beyene, G.; Kehoe, E.; Macsiurtain, M.; Hunter, A. | S01.282
- Poster** | Lighting on Everbearing Varieties in Strawberry Cultivation
Melis, P.; Van Delm, T.; Stoffels, K.; Baets, W. | S01.283

Poster | *In vitro* Propagation Strategies and Molecular Techniques to Monitor Trueness-to-Type of Micropropagules in Berry Crops
Debnath, S. C. | S01.284

Poster | Non-Invasive Respiration Measurements to Evaluate the Dormancy Level of Strawberry Propagation Material
Van Duijn, B.; Kottenhagen, M.; Draaijer, A. | S01.285

WEDNESDAY, 25 AUGUST

15.00–16.30h

Pav. 1

Poster Session 3 BERRY BIOACTIVE COMPOUNDS & PEST AND DISEASES MANAGEMENT

Poster | Two Years Study on the Volatile Organic Compounds of Raspberries Grown in Trentino (Northern Italy) By SPME-GC/MS
Apra, E.; Carlin, S.; Biasioli, F.; Giongo, L.; Grisenti, M.; Gasperi, F. | S01.286

Poster | Promotive Effects of Salicylic Acid and Nickel on Some Parameters of 'Pajaro' Strawberry
Eshghi, S.; Jamali, B.; Tafazoli, E. | S01.287

Poster | Influence of Fertilization on the Content of Nutrients and Bioactive Compounds in *Rubus* Berries and Leaves
Ali, L.; Gustafsson, A. K.; E Olsson, M. E.; Svensson, B.; Alsanjus, B. W. | S01.288

Poster | Effect of Abiotic Elicitors on Antocyanin Production in Berry Cell Suspensions and on their *in vitro* Antiproliferative Activity on Murine Melanoma Cells
Forni, C.; Braglia, R.; Nicotra, M.; Caboni, E.; Lentini, A.; Beninati, S.; Frattarelli, A.; Damiano, C. | S01.289

Poster | Characterization of Soilless Grown Blueberries: Production, Quality Traits and Phenolic Profile Determination of Six Cultivars
Andreotti, C.; Castagnoli, M.; Faedi, W.; Maltoni, M.; Ranieri, M.; Magnani, S. | S01.290

Poster | Phenolic Composition of Strawberries Fruits cv. Oso Grande in Different Time of Harvest and Grown in Different Production Systems
Bordignon Junior, C. L.; Calvete, E. O.; Reginatto, F. H.; Nienow, A. A. | S01.291

Poster | Compositional Changes in Blueberry and Cranberry Fruit during Ripening
Forney, C. F.; Kalt, W.; Jordan, M. A.; Vinquist, M.; Fillmore, S. | S01.292

Poster | Characterization of Bioactive Compounds from Portuguese Endemic Blackberries

Santos, C. N.; Tavares, L.; Tyagi, M.; Mcdougall, G.; Stewart, D.; Ferreira, R. B. | S01.293

Poster | Antioxidant Responses of Strawberry Plants under Stress Conditions
Neocleous, D.; Ziogas, V.; Vasilakakis, M. | S01.294

Poster | The Antioxidant Response Induced by *Aronia melanocarpa* Berry Juice on Healthy Rats
Oprea, E.; Manolescu, B.; Mihele, D.; Mladin, P.; Coman, M.; Farcasanu, I. | S01.295

Poster | Phenolic Composition in Different Strawberry Cultivars in Greenhouse
Calvete, E. O.; Bordignon, C. L.; Reginatto, F.; Nienow, A. A. | S01.296

Poster | Nutraceutical Properties in Organic Strawberries from South Italy
Blando, F.; Gerardi, C.; Nicoletti, I. | S01.297

Poster | Cultivation Systems and Conditions Affecting Nutritional and Antinutritional Value of Fresh Strawberry Fruit
Capocasa, F.; Gasparini, S.; Diamanti, J.; Mezzetti, B. | S01.298

Poster | The Effect of Harvest Time during the Day on the Ellagic and Ascorbic Acids Content in Raspberry Fruit
Skrzynski, J.; Kolarski, K.; Leja, M. | S01.299

Poster | Assessment of Physiological Changes and Taste Quality of European Blueberry (*Vaccinium myrtillus*) Using Metabolite Profiling
Rohloff, J.; Martinussen, L.; Uleberg, E.; Junntila, O.; Hohtola, A.; Jaakola, L.; Haeggman, H. | S01.300

Poster | Phytochemical Compounds in Berries: Phenolic Compounds and Antioxidants
Serrano, M. C. M.; Sousa, M. B. R.; Trigo, M. J.; Bronze, R. | S01.301

Poster | Phenolic Profiles of Some Cultivated Berries and Correlation to Antioxidant Activity
Kajdzanoska, M.; Gjamovski, V.; Stefova, M.; Kiprijanovski, M.; Arsov, T. | S01.302

Poster | Variation of Health Compounds Content in Strawberry After Storage
Ranieri, M.; Andreotti, C.; D'Antuono, F. L.; Magnani, S.; Faedi, W. | S01.303

Poster | Raspberry, Blackberry, Blueberry, Currants and Strawberry: a Stable Isotope Ratio Analysis in Three European Countries
Perini, M.; Bontempo, L.; Giongo, L.; Camin, F. | S01.304

Poster | A Comparison of Bioactive Compounds of Strawberry Affected by Different Latitudes of Europe
Josuttis, M.; Krüger, E.; Diamanti, J.; Mezzetti, B.; Crespo, P.; Carlen, C.; Nestby, R.; Toldam-Andersen, T. B.; Dietrich, H. | S01.305

- Poster** | Genotype and Environment Affect Health Relevant Traits in Strawberries
Crespo, P.; Ancay, A.; Andlauer, W.; Carlen, C. | S01.306
- Poster** | Effect of Planting Date and Crop System on Antioxidants Compounds Content in Strawberry Fruits
Domínguez, P.; Ariza, M. T.; Medina, J. J.; López-Aranda, J. M.; Miranda, L.; Villalba, R.; Soria, C. | S01.307
- Poster** | Postharvest Storage and Antioxidants in Fresh Market Blackberry Fruit
Perkins-Veazie, P.; Clark, J.; Collins, J.; Magby, S. | S01.308
- Poster** | Does Harvest Time Influence Volatile Composition in Strawberry (*Fragaria xananassa*) Fruits?
Sesmero, R.; Weiss, K.; Villalba-Anaya, R.; Ariza-Fernández, M. T.; Soria, C.; Sánchez-sevilla, J. F.; Utrich, D. | S01.309
- Poster** | Exploring the Native Forms of Flavonols in Blueberries
Vrhovsek, U.; Masuero, D.; Mattivi, F. | S01.310
- Poster** | Elderberry Wine: A Product Rich in Health Promoting Compounds
Schmitzer, V.; Veberic, R.; Slatnar, A.; Stampar, F. | S01.311
- Poster** | Composition of Little Known *Vaccinium* Berries
Kalt, W.; Forney, C. F.; Vinqvist-Tymchuk, M. R.; Jordan, M.; Van der Kloet, S. P. | S01.312
- Poster** | Antioxidant Activities of Phytochemicals from *Nitraria tangutorum* Bobr. Fruits
Ren, X.; Chen, G. L. | S01.313
- Poster** | Preliminary Results of Yield Losses Produced by Strawberry Mild Yellow Edge Virus
Torrico, A. K.; Salazar, S. M.; Kirschbaum, D. S.; Borquez, A. M.; Conci, V. C. | S01.314
- Poster** | *Byturus tomentosus*: Flight Monitoring with Semiochemical Traps
Baroffio, C. A. | S01.315
- Poster** | *Neofusicoccum parvum*, Blueberry Pathogen in Argentina
Wright, E. R.; Mandolessi, A.; Rivera, M. C.; Perez, B. A. | S01.316
- Poster** | The Influence of Industrial Pollution on *Vaccinium* Seeds Resistance to Microorganisms Disease
Komaletdinova, E. M.; Yakovleva, O. V.; Anisimova, G. M.; Lyanguzova, I. V.; Alimova, F. K.; Tazetdinova, D. I. | S01.317
- Poster** | Viruses Detected in Strawberry Symptomatic Plants in Argentina
Conci, V. C.; Cafrune, E. E.; Torrico, A. K.; Perotto, M. C.; Kirschbaum, D. | S01.318
- Poster** | Tarnish Plant Bug, *Lygus lineolaris* (P. de B.), Population Density on Selected Day-Neutral and June Bearing Strawberry Lines and Incidence on Fruit Deformation
Koohpayehzadeh, N.; Boivin, G.; Desjardins, Y.; Khanizadeh, S. | S01.319
- Poster** | Reliability of Blueberry Red Ringspot Virus Detection in Different Tissues of Infected Plant
Mavric Plesko, I.; Virscek Marn, M.; Koron, D. | S01.320
- Poster** | Population Fluctuation of Spider Mite in Different Production Systems Strawberry
Dias, J. P. T.; Duarte Filho, J.; Carmo, E. L.; Simões, J. C.; Pádua, J. G. | S01.321
- Poster** | Large Plot Demonstrations for Methyl Bromide Alternatives on Strawberry in Baja California (Mexico)
López-Aranda, J. M.; Urbina, S.; Castellá, G.; Estrada, J. F.; Cotero, M. A. | S01.322
- Poster** | Detection of Viruses and Phytoplasma in *Vaccinium* sp. in the Czech Republic
Špak, J.; Pribylova, J.; Kubelkova, D.; Petržík, K.; Špakova, V. | S01.323
- Poster** | Chemical and Non-Chemical Alternatives to Methyl Bromide on Strawberry in Huelva (Spain): 2008-2010 Results
Medina-Mínguez, J. J.; Miranda, L.; Domínguez, P.; Soria, C.; Pérez-Jiménez, R. M.; Zea, T.; Talavera, M.; Velasco, L.; Romero, F.; de Los Santos, B.; López-Aranda, J. M. | S01.324
- Poster** | Compatibility of Biocontrol Agents with Regard to Their Efficiency Towards Grey Mould and Powdery Mildew on Strawberries
Sylla, J.; Krüger, E.; Alsanious, B. W.; Becker, D.; Wohanka, W. | S01.325
- Poster** | Chemical and Biological Alternatives for Soil Disinfestation in Strawberry Production
Thoelen, M.; Meurrens, F.; Stevens, K.; Kellers, J.; Odeurs, W.; Coosemans, J.; Clemens, S. | S01.326
- Poster** | Survival of *Colletotrichum acutatum* on Alternative Hosts
Parikka, P. K.; Lemmetty, A. H. | S01.327
- Poster** | Logistic Models for Estimating Epidemic Increase Rates of Blueberry Foliar Diseases, Based on Meteorological and Leaf Senescence Variables
Moschini, R.; Wright, E. R.; Bombelli, E.; López, M. V.; Canavesi, G.; Pagano, M. L.; Eizaguirre, L.; Barberis, G.; Fabrizio, M. C.; Rivera, M. C. | S01.328
- Poster** | Identification of *Colletotrichum acutatum* and *C. gloeosporioides* on Strawberry in Egypt
Freeman, S.; Embaby, S.; Ragab, M. E.; Doug Doug, K. A. A.; Ahmed, R.; Zveibil, A.; Maymon, M. | S01.329
- Poster** | The Infectivity on Blueberry by the Root Endophytic Fungus of *Rhododendron* from Dandong Region, China
Liu, Y.; Luan, Y. S.; Liu, J. W. | S01.330
- Poster** | Phenolic Constituents of Bulgarian Raspberry Collection

Badjakov, I. K.; Dincheva, I. N.; Kondakova, V. S. | S01.331

Poster | Efficacy of Clove Essential Oil and Sodium Bicarbonate to Control Powdery Mildew and Grey Mould in the Strawberry Crops

Salamone, A.; Lazzara, S.; Scarito, G. | S01.332

Poster | Characterization of Gray Mold Diseases in Strawberries

Kafkas, E.; Tatlı, A.; Pala, H.; Karg, S. P.; Koç, N. K. | S01.333

Poster | Molecular Detection of Some Strawberry Viruses in Egypt

Al-Dougdoug, K.; Ragab, M.; Freeman, S.; Spiegel, S.; Attia, A.; Martin, R. R. | S01.334

Poster | Study on Biological Value Changes of Latvian Wild Cranberries during Convective Drying

Dorošejeva, K.; Rakcejeva, T. | S01.335

Poster | Soft Fruit Traceability in Fruit-Based Foods Using Real-Time PCR

Palmieri, L.; Bozza, E.; Giongo, L. | S01.336

Poster | Antioxidant Capacity and Phenolic Content of Aqueous Extracts of Dried Blueberries Fruits and Leaves

Borges, A.; Gião, M.; Pintado, M. | S01.337

Poster | Sensory Characterization of Raspberry Cultivars

Gasperi, F.; Endrizzi, I.; Biasioli, F.; Aprea, E.; Carlin, S.; Vrhovsek, U.; Grisenti, M.; Giongo, L. | S01.338

Poster | Influence of Genotype, Location and Climatic Factors on Quality and Healthy Compounds of *Rubus* Fruits

Granelli, G.; Ughini, V.; Lo Scalzo, R.; Buccheri, M.; Cortellino, G.; Mariani, L.; Folini, L.; Colombo, A.; Eccher, T. | S01.339

Poster | Development of a Semi-Quantitative Food Frequency Questionnaire to Assess Portugal Consumption on Berries, Other Fruits and Vegetables

Cardoso, S.; Pimpão, R.; Fortalezas, S.; Tavares, L.; Alves, M.; Pinto, P.; Ferreira, R.; Santos, C. | S01.340

Poster | Raspberry as a Potential Functional Food: Issues Surrounding Health Claims in Europe

Bettencourt-Câmara, M.; Bronze, M. R.; Figueira, M. E. | S01.341

Poster | Survival and Attachment of *Escherichia coli* O157:H7 to Strawberry Surface

El-Mogy, M. M.; Burleigh, S. H.; Alsanius, B. W. | S01.342

Poster | Control of Postharvest Gray Mold and *Rhizopus* Rot of Strawberry by the Application of Resistance Inducers

Romanazzi, G.; Santini, M.; Feliziani, E.; Landi, L. | S01.343

Poster | Susceptibility to Crown Rot (*Phytophthora*

cactorum) in Everbearing Strawberry Cultivars

Parikka, P. K.; Karhu, S. T.; Hietaranta, T. P. | S01.344

Poster | Field Resistance of Strawberry Plants to Soilborne Pathogens Correlates to the Amount of Peroxidase Root Exudation

Weissinger, H.; Abdel Fattah, H.; Stich, K.; Spornberger, A. | S01.345

Poster | Factors on Induced Systemic Disease Resistance in Mycorrhizal Strawberry Plants

Matsubara, Y.; Li, Y.; Okada, T.; Maya, M. A. | S01.346

THURSDAY, 26 AUGUST

15.00–16.30h

Pav. 1

Poster Session 4

BERRY CULTIVATION AND INDUSTRY

Poster | Co-Limitation of Phosphorus and Nitrogen Nutrition Accumulation Ratios in Strawberry Nursery Plant Propagation

Li, H.; Huang, R.; Asiedu, S. K. | S01.347

Poster | Effects of N Limitation on Xanthophyll Cycle and the Antioxidant System in Strawberry Leaves Grown Under Elevated CO₂

Xu, K.; Qin, Q.; Zhang, S. | S01.348

Poster | Effect of Calcium Chloride and Boric Acid Spray on Yield and Quality of Strawberry Fruit, cv. Queen Elisa

Gholami, M.; Noorbakhsh, N.; Gholami, L.; Sarikhani, H. | S01.349

Poster | The Influence of Herbaceous Grafting in Red Raspberry (*Rubus idaeus* L.)

Santos, M. M.; Oliveira, P. B.; Valdivieso, T.; Mota, M.; Oliveira, C. | S01.350

Poster | The Effect of Paclobutrazol on Strawberry Plants Under Salinity Stress

Jamalian, S.; Gholami, M.; Tafazoli, E.; Tehranifar, A.; Eshghi, S. | S01.351

Poster | Productive Value of Several Strawberry Cultivars Evaluated in Central Poland

Masny, A.; Zurawicz, E. | S01.352

Poster | Protected Cultivation of *Physalis peruviana* L. in Southern Brazil

Kretschmar, A. A.; Rufato, L.; Muniz, J.; De Lima, A. P. F.; Macedo, T. A.; Arruda, J. C. A. | S01.353

Poster | Different Training Systems for *Physalis peruviana* L. in Southern Brazil

Kretschmar, A. A.; Rufato, L.; Muniz, J.; Silveira, F. N.; Mendes, M. | S01.354

- Poster** | Effects of Different Covering Plastic Films on the Strawberry Yield and Fruit Compounds of ‘Camarosa’ Cultivated in Low and High Tunnels
Gálvez, A. C.; Ruiz, M. C.; Fernández, M.; Vilchez, C.; de la Morena, B. A.; Casal, C. | S01.355
- Poster** | Adaptability and Stability of Production Strawberry Cultivars in the State of Espírito Santo, Brazil
Costa, A. F.; Leal, N. R.; Ventura, J. A.; Costa, H.; Amaral Junior, A. T.; Pereira, V. A. | S01.356
- Poster** | Influence of Cropping Systems in the Yield of Strawberry Cultivars in the Espírito Santo, Brazil
Costa, A. F.; Leal, N. R.; Ventura, J. A.; Daher, R. F.; Costa, H.; Rossi, D. A. | S01.357
- Poster** | Organic Production of Raspberries and Blackberries in High Tunnels in Sweden
Svensson, B. | S01.358
- Poster** | The Role of Green Manure in Strawberry Production on Heavy and Rich Soil
Koron, D. | S01.359
- Poster** | Micropropagation in vitro of Highbush Blueberry (*Vaccinium corymbosum* L.)
Ruzic, D.; Vujovic, T.; Ostrolucka, M. G.; Cerovic, R.; Gajdosova, A. | S01.360
- Poster** | Improvement of in vitro Micropropagation of Black Currant cv. Cacanska Crna
Ruzic, Dj.; Vujovic, T.; Cerovic, R. | S01.361
- Poster** | Rooting of Blueberry Hardwood Cutting Derived From Different Canes Type
Fischer, D. L. O.; Vignolo, G. B.; Aldrighi, M. G.; Fachinello, J. C.; Antunes, L. E. C. | S01.362
- Poster** | Rooting of Blueberry Hardwood Cuttings under Different Concentrations of IBA
Fischer, D. L. O.; Vignolo, G. K.; Giacobbo, C. L.; Fachinello, J. C.; Antunes, L. E. C. | S01.363
- Poster** | Gas-Exchange, Photochemical Efficiency and Yield in Strawberry Genotypes Growth in Tunnels, and Field Conditions
Campostrini, E.; da Costa, A. F.; Torres-Netto, A.; Leal, N. R. | S01.364
- Poster** | Effect of Crown Size and Cultivar on Strawberries Fresh Bare Root Plants Yield and Quality in Sicily
D’Anna, F.; Caracciolo, G.; Moncada, A.; Vetrano, F. | S01.365
- Poster** | Intelligent Irrigation of Lowbush Blueberries in Atlantic Canada
Privé, J. P.; Russell, L.; Hildebrand, P.; Boyd, N.; Percival, D. | S01.366
- Poster** | Growth and Nutrient Uptake Responses of ‘Seolhyang’ Strawberry Cultured in Inert Media to Various Ratios of Ammonium to Nitrate Forms of Nitrogen in Nutrient Solution
Choi, J. M.; Ahmed, L.; Lee, C. W.; Yoon, M. K. | S01.367
- Poster** | Response of Pot-Grown ‘Biloxi’ Blueberry Plants to Inoculation with Beneficial Microorganisms and Organic Potting Media in Central Mexico
Lopez-Medina, J.; Sanchez-Hernandez, Y.; Espinola-Alvarado, C.; Cuara-Miranda, M. | S01.368
- Poster** | Arbuscular Mycorrhiza Improves the Performance of Selected Strawberry Cultivars under Salt Stress
Fan, L.; Khanizadeh, S.; Fang, C.; Dubé, C.; Deschênes, M.; Dalpé, Y.; Tao, S. | S01.369
- Poster** | Effect of Mulching on Physicochemical Properties of Soil of Blueberry
Wu, L.; Yu, Q.; Li, Y.; Liu, H.; Zhang, Z. | S01.370
- Poster** | Optimizing a High-Density Soilless Culture System for Strawberry Production
Palha, M. G.; Campo, J. L.; Oliveira, P. B. | S01.371
- Poster** | Rooting of Blueberry Explants under *ex vitro* Conditions and Different Substrates
Schuch, M. W.; Pellizza, T. R.; Nascimento, D. C.; Carra, B.; Camargo, S. S. | S01.372
- Poster** | Weeds Control in the Gooseberry and Blackcurrant Plantations of Romania
Pirlea, M.; Mladin, P.; Chitu, V. | S01.373
- Poster** | *In vitro* Propagation of Red Raspberry (*Rubus ideaus*) Influenced by Brassinolide
Rocha-Granados, M. C.; Robles-Torres, E.; Lopez-Medina, J. | S01.374
- Poster** | Performance of Some Italian Strawberry Genotypes Grown under Conditions of R. Macedonia
Kiprijanovski, M.; Arsov, T.; Gjamovski, V. | S01.375
- Poster** | First Results from High Bush Blueberries (*Vaccinium corymbosum* L.) Researches in R. Macedonia
Kiprijanovski, M.; Arsov, T.; Gjamovski, V. | S01.376
- Poster** | Application of Foliar Calcium Fertilisers for Strawberry Dessert Fruit Production
Bieniasz, M.; Malodobry, M.; Dziedzic, E. | S01.377
- Poster** | First Results of Biodegradable Mulching on Small Berries Fruits
Giuggioli, N. R.; Bogliione, D.; Girgenti, V.; Guerrini, S. | S01.378
- Poster** | Evaluation of Mass Propagation Application as a Commercial Practice for Producing Strawberry Mother Plants
Dai, N.; Tanami, Z.; Slotzky, S.; Shalit, N.; Attia, A.; Omran, A.; Ragab, M.; Freeman, S. | S01.379
- Poster** | Vegetative Growth, Yield and Leaf Mineral Composition in Strawberry as Influenced Using Nickel and Urea Sprays

- Ranjbar, R.; Eshghi, S.; Rostami, M.* | S01.380
Poster | Chemical Analysis of Strawberry Fruits Using Shading Screens in Protected Ambient
Da Costa, R. C.; Calvete, E. O.; Reginatto, F. H.; Junior, C. B.; Francescato, V. | S01.381
- Poster** | Agronomic and Qualitative Characterization of Strawberry Genotypes Grown under Organic Cropping System and Traditional Pest Management
Magnani, S.; Baruzzi, G.; Maltoni, M. L.; Faedi, W. | S01.382
- Poster** | A Study on the Production of High Quality Strawberry Runner Plant for Better Growth and Yield by Comparing Various Planting Procedures
Kiewwong, S.; Pipattanawong, N. A.; Wattanasrirungkul, S. | S01.383
- Poster** | Effect of Manganese on Quality and Quantity of Two Strawberry Cultivars
Shahrjerdi, L.; Babalar, M.; Naderi, R. | S01.384
- Poster** | Influence of Temperature on Berry Quality in Red Raspberry cv. Glen Ample
Remberg, S. F.; Sonstebj, A.; Wold, A. B. | S01.385
- Poster** | Effect of Planting Density and Plastic Soil Mulch on Strawberry Plant Development, Yield and Fruit Quality
Laugale, V.; Lepse, L.; Strautina, S.; Krasnova, I.; Seglina, D. | S01.386
- Poster** | Improving Fruit Quality and Yield in Highbush Blueberry Using Foliar Nutrients
Chitu, V.; Mladin, P.; Chitu, E.; Ancu, I.; Nicolae, S. | S01.387
- Poster** | Accumulation Characteristics of Yield, Diameter and Main Nutrient Composition Indices in Growing Blackberry Fruit
Wu, W.; Wang, X.; Zhao, H.; Fang, L.; Li, W. | S01.388
- Poster** | Tissue Culture and Plant Regeneration from Leaf of 'Boysenberry'
Wang, X.; Li, H.; Li, W.; Wu, W.; Lv, L. | S01.389
- Poster** | Effect of Nitrogen, Phosphorus and Potassium on Physiology of Blueberry
Li, Y.; Wei, J.; Zhang, Z. | S01.390
- Poster** | Investigation of Fruit Chemical Composition and Vegetative Propagation of Elderberry
Matejicek, A.; Paprstein, F.; Kaplan, J. | S01.391
- Poster** | Strawberry Fruit Production and Quality under Conventional, Integrated and Organic Management
Roussos, P. A.; Triantafyllidis, A.; Kepolas, E. | S01.392
- Poster** | Improvements of *in vitro* Rooting Technologies for Raspberries
Geerts, P.; Terzi, J. M.; Watillon, B. | S01.393
- Poster** | Phyllchron Strawberry Intercropped with Fig Trees in Greenhouse
Mendonca, H. F. C.; Tazzo, I. F.; Calvete, E. O.; Nienow, A. A.; Bonafé, M.; Zerbielli, L.; Müller, A. L.; Boeno, M. C. | S01.394
- Poster** | Extending of Strawberry Production Season in Latvia
Laugale, V.; Lepsis, J.; Strautina, S. | S01.395
- Poster** | Blueberry (*Vaccinium corymbosum*) Pollination with Presence of *Bombus* sp
Zajmi, R. A.; Rexhepi, A. E.; Braha, S.; Shehaj, M. | S01.396
- Poster** | Construction of a Strawberry Computer Model for Ecophysiological Studies
España, M. L.; Champo, O.; Lobit, P.; Cardenas, R. | S01.397
- Poster** | Productivity of Some Blueberry Cultivars at Latvia Conditions
Sterne, D.; Abolins, M.; Liepniece, M. | S01.398
- Poster** | Study on Fruit Ripening Model and Storage Characters of Blueberry
Wu, L.; Shen, L.; Li, X.; Li, Y.; Zhang, Z. | S01.399
- Poster** | Good Agricultural Practices Survey as a Tool to Develop Strawberry Integrated Production Program in Atibaia, São Paulo State, Brazil
Calegario, F. F.; Hammes, V. S.; Kmit, M. C. P.; Bagdonas, N. F. C. | S01.400
- Poster** | Effect of Luna Privilege and Luna Sensation on the Sensory Quality of Strawberries
Buysens, S.; Hauke, K.; Creemers, P. | S01.401
- Poster** | Phenolic Compounds in Blueberry Cultivars: Effect of the Growing Area
Simeone, A.; Nota, P.; Krupa, T.; Ceccarelli, D.; De Salvador, R. E.; Del Toro, A.; Caboni, E. | S01.402
- Poster** | Irrigation Setpoints from Soil and Photosynthesis Measurements in Cranberry
Caron, J.; Bonin, S.; Pépin, S. | S01.403
- Poster** | Taking the Next Step: A Different Way to Produce Strawberries
Hoover, E.; Tepe, E.; Poppe, S. | S01.404
- Poster** | Mathematical Models, Tables and Nomograms Concerning the pH Variation with the Concentration of the Fertilizers Solutions as Foliar Feeding: 2. Sulfates of Micronutrients. 2.2. $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ and $(\text{NH}_4)_2\text{SO}_4 \cdot \text{FeSO}_4 \cdot 6\text{H}_2\text{O}$
Budoj, G. | S01.405
- Poster** | Effect of Chemical and Organic Fertilization on Foliar Levels of Nitrogen, Phosphorus and Potassium, in Physiological Aspects and Plants Harvest Index of Fresh Strawberry Plants in Nurseries in Argentina Valley High
Brandán, E. Z.; Villagra, E. L.; Fernández, R. R.; Torres, C. E.; Jaldo, H. E.; Seco, E. D. C. | S01.406

Poster | Strawberry Young Plants: Bare Root vs. Tray/
Plug Approach
Vílchez, M. T. | S01.407

Poster | Circular Multi-Storied Culture Mode among
Strawberry, Edible Fungi and Leaf Vegetables in
Greenhouse
*Zhong, C.; Zhang, Y.; Wang, G.; Dong, J.; Chang, L.;
Wang, L.* | S01.408

Poster | Black Currant Production, Breeding and
Processing in China
Huo, J. W. | S01.409

Poster | Trials on Blackberry Varieties in Fertod
Dénes, F.; Lugasi, A. | S01.410

Poster | The Australian Strawberry Industry
Ullio, L. | S01.411

Poster | Evaluating the Impact of Climate Extremes on
UK Marketed Fresh Produce
Pyrotis, S.; Abayomi, L.; Rees, D.; Orchard, J. | S01.412

Poster | Blooming and Fruit Setting of Several Varieties
of Strawberries Cultivated in the Skopje Region
Popovski, B. K.; Popovska, M. N. | S01.413

Poster | Time of Ripening with Some Important Varieties
of Strawberries Cultivated in the Skopje Region
Popovski, B. K.; Popovska, M. N. | S01.414

Announcing a new IOS Press publication



Journal of Berry Research

- From genetics to variety evaluation
- Nursery production systems and plant quality control
- Plant physiology, biochemistry and molecular biology, as well as cultural management
- Health for the consumer: components and factors affecting berries' nutritional value

**IOS
Press**

Visit our website www.iospress.nl for more information



The Wild Blueberry Association of North America promotes **wild blueberries** from the unspoilt regions of Canada & Maine.

These small sweet berries are packed with **powerful antioxidants** that can help to influence how well our bodies age.

It's the **perfect superfruit** ingredient for a wide variety of food & drink.

wildblueberries.co.uk

